



National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

ECCS 14-001

**Dear Colleague Letter: Division of Electrical, Communications and Cyber Systems (ECCS) -
Employment Opportunity for Program Director Position (Open Until Filled)**

February 25, 2014

Dear Colleague:

The Division of Electrical, Communications and Cyber Systems (ECCS), within the Directorate for Engineering at the National Science Foundation (NSF), announces a nationwide search for senior-level engineering researcher to fill a Program Director position in the Communications, Circuits, and Sensing Systems (CCSS) area.

Formal consideration of interested applicants will begin April 1, 2014 and will continue until a selection is made. The division is looking to fill this position during the summer timeframe.

The ECCS Division addresses fundamental research issues underlying component and device technologies, energy and power research, including smart grid, controls, computation, networks, communications and cyber technologies, and supports the integration and networking of complex intelligent systems principles at the nano, micro, and macro scales for a variety of application domains in healthcare, energy, communications, critical infrastructures, environment, homeland security, transportation, and manufacturing. The Division is organized around three broad programs: Electronics, Photonics and Magnetic Device Technologies (EPMD); Energy, Power, and Adaptive Systems (EPAS); and Communications, Circuits, and Sensing Systems (CCS). For further information, please visit the ECCS website at <http://www.nsf.gov/div/index.jsp?org=ECCS>.

The successful candidate will possess broad and demonstrated experience to address emerging research areas in Cyber-Physical Systems (CPS), RF/wireless, optical and hybrid communications and networking, integrated sensing, communication, and computational systems, spectrum access and spectrum sharing, signal processing and compressive sampling, cyber security and cognitive radio.

Qualifications of a successful candidate include a Ph.D. in an appropriate field in engineering or science plus after the award of the Ph.D., six or more years of successful research, research administration and/or managerial experience in academe, industry, or government. The candidate must demonstrate vision and leadership to identify and support long-term research and education that contributes to the mission of the Division and NSF. NSF Program Directors have the primary responsibility for carrying out the Agency's overall mission to support innovative and merit-evaluated activities in fundamental research and education that contributes to the nation's technological strength, security and welfare. This requires expertise in appropriate disciplines to implement the proposal review and evaluation process for the program, as well as strong skills in written and oral communication, a commitment to high standards, considerable breadth of interest and receptivity to new ideas, strong sense of fairness, good judgment and a high degree of personal integrity. The position provides a challenging experience and an excellent opportunity to encourage and support engineering research and education. The individual will work with

other Program Directors in formulating research strategies, developing collaboration and cooperation across the Foundation and among government, academe and industry, fostering outreach to underrepresented groups, and providing leadership within NSF and the research community.

Applications accepted from US Citizens. Recent changes in Federal Appropriations Law require Non-Citizens to meet certain eligibility criteria to be considered. Therefore, Non-Citizens must certify eligibility by signing and attaching this [Citizenship Affidavit](#) to their application. Non-citizens who do not provide the affidavit at the time of application will be considered as an IPA.

The Program Director position may be filled by one of the following appointment option:

Intergovernmental Personnel Assignment (IPA) Act: Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. Initial assignments under IPA provisions may be made for a period up to two years, with a possible extension for up to an additional two-year period. The individual remains an employee of the home institution and NSF provides the negotiated funding toward the assignee's salary and benefits. Initial IPA assignments are made for a one-year period and may be extended by mutual agreement.

For additional information on NSF's rotational programs, please see "Programs for Scientists, Engineers, and Educators" on the NSF website at: http://www.nsf.gov/about/career_opps/rotators/index.jsp.

Should you or your colleagues be interested in this position, please email a current CV accompanied by a cover letter indicating that you are applying to the CS position. Application materials may be emailed to ddagenai@nsf.gov. Paper application may be sent to:

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